

Table 3. Estimated loads and yields of phosphorus transported in streamflow at selected sampling sites and for subwatershed areas in the Cheney Reservoir watershed, 1997–98

[lb, pounds; lb/acre, pounds per acre]

Sampling-site map index number or subwatershed area(fig. 1)	Contributing drainage area (acre)	1997		1998		Mean 1997–98	
		Load (lb)	Yield (lb/acre)	Load (lb)	Yield (lb/acre)	Load (lb)	Yield (lb/acre)
1	258,000	28,900	0.112	40,200	0.156	34,600	0.134
2	124,000	14,700	.119	17,700	.143	16,200	.131
3	33,200	7,040	.212	11,800	.355	9,420	.284
East Ninnescah subwatershed area ^a	54,800	5,860	.107	26,000	.474	15,900	.290
4	470,000	56,500	.120	95,700	.204	76,100	.162
5	34,000	6,770	.199	18,500	.544	12,600	.371
Ungaged subwatershed area ^b	83,800	11,200	.134	41,300	.493	26,200	.313
6	597,000	33,400	.056	54,000	.090	43,700	.073

a. Loads estimated by subtracting the sum of the loads determined at sampling sites 1–3 from the loads determined at sampling site 4.

b. Load and yield estimates were calculated from yields available for the East Ninnescah subwatershed area and sampling site 5. Ratios of 0.70 and 0.30, on the basis of relative drainage areas, were applied to those respective yield values in determining yields for the ungaged subwatershed area. Annual loads were calculated by multiplying yield by drainage area.